

IN THE CLAIMS

This listing of claims replaces all previous versions of the claims. Please amend the claims as follows:

Claims 1-32 (Canceled).

Claim 33 (Currently Amended): ~~The compound of claim 30~~ An isolated and purified compound, which comprises a sequence selected from the group consisting of EIDYHR (SEQ ID NO: 91), ELDYHR (SEQ ID NO: 92), EVDYHR (SEQ ID NO: 93), DIDYHR (SEQ ID NO: 94), DLDYHR (SEQ ID NO: 95), DVDYHR (SEQ ID NO: 96), DIDYRR (SEQ ID NO: 97), DLDYRR (SEQ ID NO: 98), DVDYRR (SEQ ID NO: 99), DKELRI (SEQ ID NO: 100), DWELRI (SEQ ID NO: 101), YREFFI (SEQ ID NO: 119), YREFRI (SEQ ID NO: 102), YAEFRG (SEQ ID NO: 103), EAEFRG (SEQ ID NO: 104), DYEFRG (SEQ ID NO: 105), ELEFRG (SEQ ID NO: 106), DRELRI (SEQ ID NO: 107), DKELKI (SEQ ID NO: 108), DRELKI (SEQ ID NO: 109), GREFRN (SEQ ID NO: 110), EYEFRG (SEQ ID NO: 111), DWEFRDA (SEQ ID NO: 112), SWEFRT (SEQ ID NO: 113), DKELR (SEQ ID NO: 114) and SFEFRG (SEQ ID NO: 115), wherein said compound binds to an antibody specific for DAEFRH (SEQ ID NO: 1), but wherein X₁X₂X₃X₄X₆ is not DAEFRH (SEQ ID NO: 1) and wherein the compound consists of 5 to 15 amino acid residues.

Claim 34 (Cancelled).

Claim 35 (Currently Amended): The compound of claim 33 ~~[[30]]~~, further comprising covalently-coupled carrier.

Claim 36 (Previously Presented): The compound of claim 35, wherein said carrier is a peptide linker or a polypeptide.

Claim 37 (Previously Presented): The compound of claim 35, wherein said carrier is selected from the group consisting of KLH, tetanus toxoid, albumin binding protein, bovine serum albumin and dendrimer.

Claim 38 (Currently Amended): A composition comprising the compound of claim 33 ~~[[30]]~~ and a pharmaceutically acceptable carrier or adjuvant.

Claim 39 (Previously Presented): The composition of claim 38, which comprises a non-covalently associated peptide linker or protein carrier.

Claim 40 (Previously Presented): The composition of claim 38, which comprises aluminum hydroxide.

Claim 41-42 (Cancelled)

Claim 43 (Previously Presented): The composition of claim 38 which comprises 0.1 ng to 10 mg of said compound.

Claim 44 (Previously Presented): The composition of claim 38, which comprises 100 ng to 100 μ g of said compound.

Claim 45 (Withdrawn-Currently Amended): A method for treating Alzheimer's Disease comprising: administering to a subject in need thereof an effective amount of the compound of claim 33 [[30]].

Claims 46-49 (Cancelled).

- 50. (New) The compound of claim 33, which comprises EIDYHR (SEQ ID NO: 91).
- 51. (New) The compound of claim 33, which comprises ELDYHR (SEQ ID NO: 92).
- 52. (New) The compound of claim 33, which comprises EVDYHR (SEQ ID NO: 93).
- 53. (New) The compound of claim 33, which comprises DIDYHR (SEQ ID NO: 94).
- 54. (New) The compound of claim 33, which comprises DLDYHR (SEQ ID NO: 95).
- 55. (New) The compound of claim 33, which comprises DVDYHR (SEQ ID NO: 96).
- 56. (New) The compound of claim 33, which comprises DIDYRR (SEQ ID NO: 97).
- 57. (New) The compound of claim 33, which comprises DLDYRR (SEQ ID NO: 98).
- 58. (New) The compound of claim 33, which comprises DVDYRR (SEQ ID NO: 99).
- 59. (New) The compound of claim 33, which comprises DKELRI (SEQ ID NO: 100).
- 60. (New) The compound of claim 33, which comprises DWELRI (SEQ ID NO: 101).
- 61. (New) The compound of claim 33, which comprises YREFFI (SEQ ID NO: 119).
- 62. (New) The compound of claim 33, which comprises YREFRI (SEQ ID NO: 102).
- 63. (New) The compound of claim 33, which comprises YAEFRG (SEQ ID NO: 103).
- 64. (New) The compound of claim 33, which comprises EAEFRG (SEQ ID NO: 104).
- 65. (New) The compound of claim 33, which comprises DYEFRG (SEQ ID NO: 105).
- 66. (New) The compound of claim 33, which comprises ELEFRG (SEQ ID NO: 106).
- 67. (New) The compound of claim 33, which comprises DRELRI (SEQ ID NO: 107).

68. (New) The compound of claim 33, which comprises DKELKI (SEQ ID NO: 108).

69. (New) The compound of claim 33, which comprises DRELKI (SEQ ID NO: 109).

70. (New) The compound of claim 33, which comprises GREFRN (SEQ ID NO:
110).

71. (New) The compound of claim 33, which comprises EYEFRG (SEQ ID NO: 111).

72. (New) The compound of claim 33, which comprises DWEFRDA (SEQ ID NO:
112).

73. (New) The compound of claim 33, which comprises SWEFRT (SEQ ID NO:
113).

74. (New) The compound of claim 33, which comprises DKELR (SEQ ID NO: 114).

75. (New) The compound of claim 33, which comprises SFEFRG (SEQ ID NO: 115).